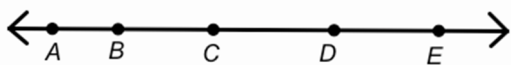


You will need to show all missing homework and this completed and corrected packet to your teacher in order to retake the test. Your grade will be the higher of the original grade or the retake grade. Please get help where you need it!

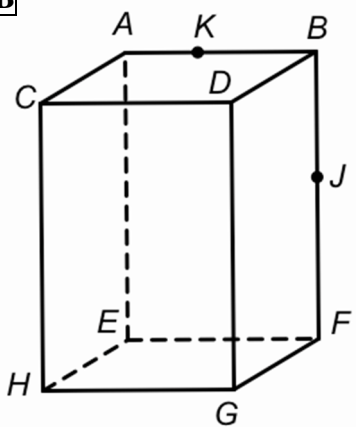
**Target A**

1. In full sentences, explain the difference between:  $AB$ ,  $\overleftrightarrow{AB}$ ,  $\overline{AB}$ , and  $\overrightarrow{AB}$ .



2. Of the labeled points (A, B, C, D, and E) on the line above, which are on  $\overleftrightarrow{BD}$ ? \_\_\_\_\_
3. Of the labeled points (A, B, C, D, and E) on the line above, which are on  $\overleftrightarrow{DA}$ ? \_\_\_\_\_
4. Name 2 opposite rays with endpoint C: \_\_\_\_\_

**Target B**



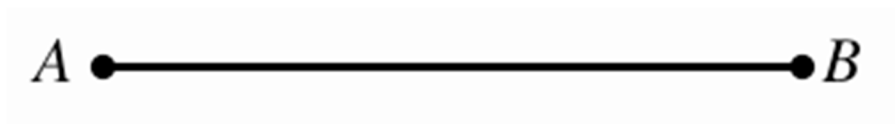
5. Name a plane with 5 coplanar labeled points. \_\_\_\_\_
6. Name 2 sets of 3 collinear points: \_\_\_\_\_
7. Name the 6 planes shown: \_\_\_\_\_
8. Name the 4 line segments on the front of the box \_\_\_\_\_

**Target C**

9. Name the intersection of  $\overleftrightarrow{AK}$  and  $\overleftrightarrow{FJ}$ : \_\_\_\_\_
10. Name the intersection of plane ACD and plane CEH: \_\_\_\_\_
11. Two lines intersect in a \_\_\_\_\_
12. Two planes intersect in a \_\_\_\_\_

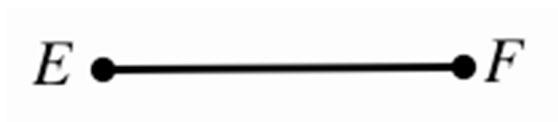
### Target D

13. Measure the line segment in inches.



14. Draw and label  $\overline{CD}$  if it measures  $3\frac{1}{8}$  in.

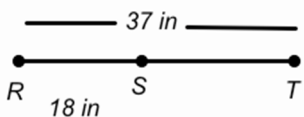
15. Measure the line segment in centimeters.



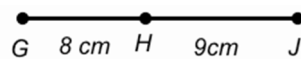
16. Draw and label  $\overline{GH}$  if it measures 2.5 cm.

### Target E

17. Find ST



18. Find GJ



Point B is between A and C on  $\overline{AC}$ . Use the given information to write an equation in terms of  $x$ . Then find  $x$ , and the missing parts of the segment.

19.  $AB = 2x - 5$   
 $BC = 24$   
 $AC = 6x + 3$

20.  $AB = 4x + 7$   
 $BC = 5x - 8$   
 $AC = 53$

$x = \underline{\hspace{2cm}}$ ,  $AB = \underline{\hspace{2cm}}$ ,  $AC = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$ ,  $AB = \underline{\hspace{2cm}}$ ,  $BC = \underline{\hspace{2cm}}$

**Target F**

M is the midpoint of  $\overline{PQ}$ , find the indicated length.

21.  $PQ = 17$  ft, find  $PM =$  \_\_\_\_\_,

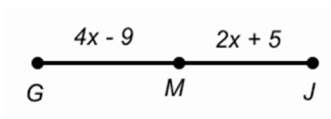
$MQ =$  \_\_\_\_\_

22.  $PM = 8\frac{1}{4}$  in, find  $MQ =$  \_\_\_\_\_,

$PQ =$  \_\_\_\_\_

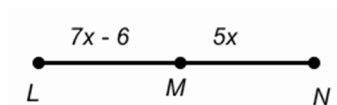
If M is the midpoint, find x and the indicated length.

23.



$x =$  \_\_\_\_\_,  $GM =$  \_\_\_\_\_

24.



$x =$  \_\_\_\_\_,  $LN =$  \_\_\_\_\_

**Target G**

25. Find the distance between  $(2, -2)$  and  $(6, 3)$

**26.** Graph the points: A (1, 1), B (2, -1) C (6, 1), D (5, 2).

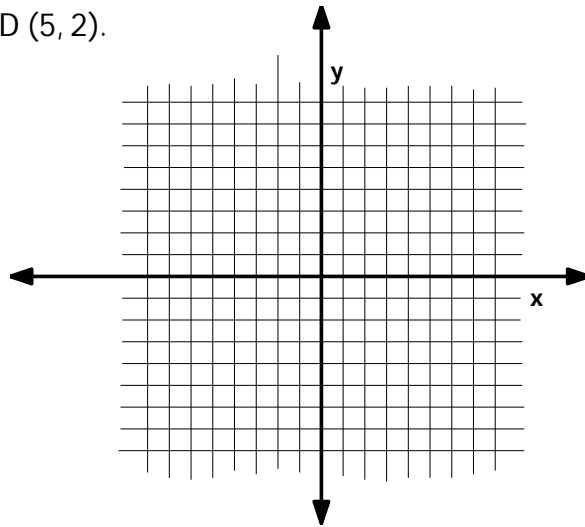
**a.** Find each length.

AB = \_\_\_\_\_

BC = \_\_\_\_\_

CD = \_\_\_\_\_

AD = \_\_\_\_\_



**b.** What 2 points would you need to move to change the figure to a square where all the sides are equal?

### Target H

**27.** Find the midpoint of the segment with end points A (6, -3) and B (10, 5).

**28.** Use the given endpoint R and the midpoint M to find the coordinates of the other endpoint S.

R ( -6, -9) , M ( 8, -5.5)